

COOPER LIGHTING - METALUX®

DESCRIPTION

The EIVM Series is an energy efficient family of industrials that feature premium performance and durability. The industrial series incorporates heavy duty, embossed, reflectors that precisely direct and effectively control light. The EIVM reflector is a unique design that was developed to prevent debris accumulation in special applications. The special deep center "V" reflector provides 30° crosswise shielding to minimize glare. The versatile EIVM Series can be installed using various mounting methods and numerous options and accessories are available. The EIVM Series can be utilized in simple task and area lighting to the most demanding specialized industrial applications with environmental requirements.

SPECIFICATION FEATURES

A ... Construction

Channel is code gauge prime cold rolled steel. Die formed with deep V-grooves for tong hanger. Die formed channel connector assures straight rows and continuity of ground through set screws. Lampholder mounting brackets are easily inserted with snap-in action.

B ... Electrical*

Ballast are CBM/ETL Class "P" and positively secured by mounting bolts. Metal clad lampholders are spring loaded for turret safety. UL/CUL listed. Suitable for damp locations.

C ... Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

D ... Reflectors

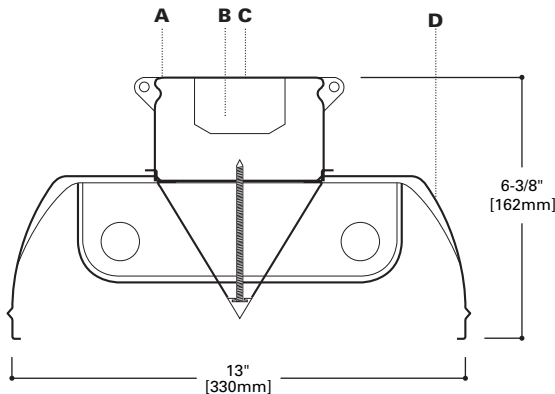
Painted after fabrication. Die formed code gauge steel. Deep draw full width ribs formed with one press stroke. Side flanges lend strength with downward turn. Reflector design prevents lint, dust and debris buildup. Easily cleaned. Baked white enamel 13" width. Four foot sections. Reflector Center "V" Provides 30° crosswise shielding and reduces glare. Reflector and Center "V" retained by positive mounting bolt. Reflector aligners provided. Standard with 20% uplight (EIVM). Closed top reflector (ECIVM). Optional industrial fixtures are available incorporating silver technology enhancements. (SilverLining)



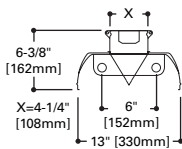
EIVM
240
232

4' OR 8' INDUSTRIAL
2 LAMP

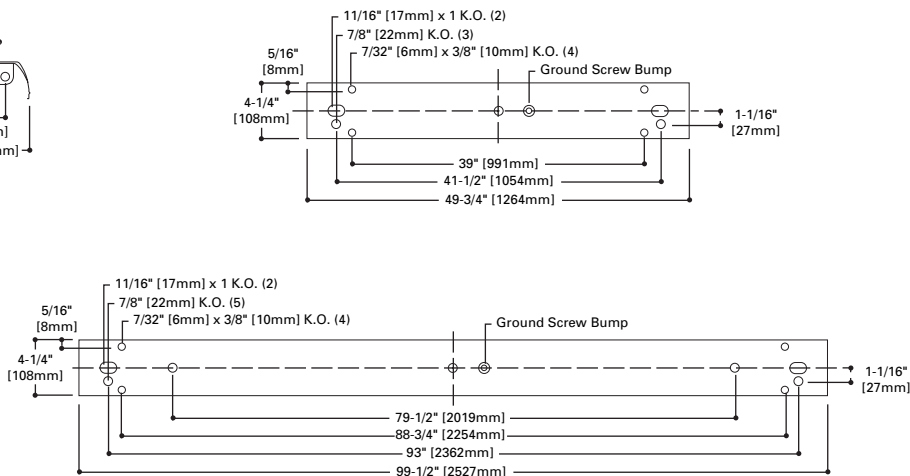
Environmental Heavy Duty
Industrial



LAMP CONFIGURATIONS



MOUNTING DATA



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps

240 (72)

232 (61)

ES Ballast & STD Lamps

240 (86)

232 (71)

Luminaire Efficacy Rating

LER = FI-81

Catalog Number: EIVM-232

Yearly Cost of 1000 lumens,

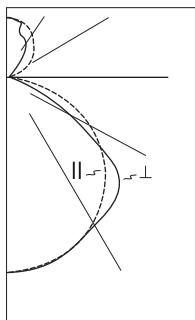
3000 hrs at .08 KWH = \$2.96

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
Safe and convenient means of disconnecting power



**EIVM-232**

Electronic Ballast

F32T8-SPX35 Lamps
2950 LumensSpacing criterion:
(II) 1.3 x mounting
height, (⊥) 1.3 x
mounting height
Efficiency 93.3%Test Report:
EIVM232.IES

LER = FI-81

Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$2.96**Coefficients of Utilization**

		Effective floor cavity reflectance												20%											
		80%				70%				50%				30%				10%				0%			
rc	rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																									
0	107	107	107	107	107	103	103	103	103	94	94	94	87	87	87	80	80	80	77						
1	98	94	90	86	84	94	90	87	84	83	80	78	77	75	73	71	69	68	65						
2	89	82	76	71	69	85	79	73	69	73	68	64	67	64	61	62	59	57	54						
3	81	72	65	59	57	78	69	63	57	64	59	54	59	55	51	55	51	48	46						
4	74	64	56	50	48	71	61	54	48	57	51	46	53	48	44	49	45	41	39						
5	68	57	49	43	42	65	55	47	42	51	45	40	47	42	38	44	40	36	34						
6	63	51	43	37	36	60	49	42	36	46	39	35	43	37	33	40	35	31	29						
7	58	46	38	32	32	56	44	37	32	42	35	30	39	33	29	36	31	28	26						
8	54	42	34	29	29	52	40	33	28	38	32	27	35	30	26	33	28	25	23						
9	50	38	31	26	26	48	37	30	25	35	29	24	33	27	23	31	26	22	21						
10	47	35	28	23	23	45	34	27	23	32	26	22	30	25	21	28	24	20	19						

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1211	20.5	22.0
0-40	2017	34.2	36.6
0-60	3700	62.7	67.2
0-90	4523	76.7	82.2
90-180	979	16.6	17.8
0-180	5503	93.3	100.0

Candela

Angle	Along II	45°	Across ⊥
0	1531	1531	1531
10	1516	1512	1505
20	1445	1442	1446
30	1328	1343	1362
40	1170	1207	1286
50	969	1071	1080
60	731	805	463
70	462	274	221
80	197	116	108
90	7	23	16
100	33	37	32
110	108	62	68
120	190	71	82
130	266	151	98
140	336	275	186
150	393	313	321
160	437	403	337
170	461	459	458
180	465	465	465

ORDERING INFORMATION

SAMPLE NUMBER: EIVM-232-120V-EB81-U

Tandem
Blank=4' Length
8T=8' Length**Series**
EIVM=Apertured
Reflector
EICM=Closed Top
Reflector**Silver Reflector⁽³⁾**
SS=Silver Lining Reflector
(Optional)**Number
of Lamps**
2 Lamps
(Not included)**Wattage (Length)**
40=34/40W T12 (48")
32=32W T8 (48")**Voltage⁽¹⁾**
120V=120 Volt
277V=277 Volt
347V=347 Volt
UNV=Universal Voltage 120-277⁽²⁾**Options**
GL=Single Element Fuse
GM=Double Element Fuse
Emergency=EM Installed**Ballast Type⁽¹⁾****EB8** = T8 Electronic Instant Start.
Total Harmonic Distortion < 10%
No. of Ballast
1, 2 or 3**EB8 / PLUS** = T8 Electronic Instant Start.
High Ballast Factor > 1.13. Total
Harmonic Distortion < 20%
No. of Ballast
1, 2 or 3**ER8** = T8 Electronic Program Rapid Start.
Total Harmonic Distortion < 10%
No. of Ballast
1, 2 or 3**EB2** = T12 Electronic Rapid Start.
No. of Ballast
1 or 2**Options**
RIF1=Radio Interference
Suppressor
6-3/18 S-JT-C&P-515P=Cord
& Plug (120V)
6-3/18 S-JT-C&P-
L715P=Cord & Plug (277V)
PI/CPI=Plug-In Option
TILW=Tandem In-Line
Wiring Option (Consult
TILW Option Catalog Page)
POX=Porlux Finish
(See options & accessories)**Packaging**
U=Unit Pack
4B=4 BulkNOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets.
⁽²⁾Not available when specifying emergencies, voltage must be specific. ⁽³⁾Silver lining not available
on fixtures with HO, VHO or PG.Specifications & dimensions subject to change without notice. Consult your Cooper Lighting
Representative for availability and ordering information.**SHIPPING INFORMATION**

Catalog No.	Wt.
EIVM-232	16 lbs.
8TEIVM-232	32 lbs.

ACCESSORIES (Order Separately)

A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling
(Use 2 per fixture)
ATG-4=Tong Hanger (Use 2 per fixture)
SCF=Fixed Stem Set (Specify Length)
SCS=Swivel Stem Set (Specify Length)
SCA=Adjustable 48" Stem Set
AYC=Chain/Set-U=Chain Hanger Set (Use 1 set per fixture)
WG/DI-4FT-U=Wire Guard
WGG/DI-4FT-U=Wire Gym Guard
DI2=Long Connector
CEP=Closed End Plate
(Note: Reflector will extend 1/4" past the end plate).
(Additional Accessories Available. See Options and Accessories Section).